

RAW SEQUENCE LISTING DATE: 02/06/2001
 PATENT APPLICATION: US/09/630,155 TIME: 17:04:19

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\02062001\I630155.raw

SEQUENCE LISTING

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2 (1) GENERAL INFORMATION:
4   (i) APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
6   (ii) TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
8   (iii) NUMBER OF SEQUENCES: 9
10  (iv) CORRESPONDENCE ADDRESS:
11      (A) ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
12      (B) STREET: 1501 Fourth Avenue, 2600 Century Square
13      (C) CITY: Seattle
14      (D) STATE: Washington
15      (E) COUNTRY: U.S.A.
16      (F) ZIP: 98101
18  (v) COMPUTER READABLE FORM:
19      (A) MEDIUM TYPE: Floppy disk
20      (B) COMPUTER: PC compatible
21      (C) OPERATING SYSTEM: Windows95
22      (D) SOFTWARE: Word
24  (vi) CURRENT APPLICATION DATA:
C--> 25      (A) APPLICATION NUMBER: US/09/630,155
C--> 26      (B) FILING DATE: 16-Jan-2001
27      (C) CLASSIFICATION:
29  (viii) ATTORNEY/AGENT INFORMATION:
30      (A) NAME: Davison, Barry L.
31      (B) REGISTRATION NUMBER: 47,309
32      (C) REFERENCE/DOCKET NUMBER: 49321-10
34  (ix) TELECOMMUNICATION INFORMATION:
35      (A) TELEPHONE: 206 628-7621
36      (B) TELEFAX: 206 628-7699
38 (2) INFORMATION FOR SEQ ID NO: 1:
40   (i) SEQUENCE CHARACTERISTICS:
41      (A) LENGTH: 79
42      (B) TYPE: amino acid
43      (C) STRANDEDNESS: single
44      (D) TOPOLOGY: unknown
W--> 45   (ii) MOLECULE TYPE: HER-2 ECD antagonist
46   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
48 Gly Thr His Ser Leu Leu Pro Arg Pro Ala Ala Val Pro Val Pro Leu
49           5              10              15
50 Arg Met Gln Pro Gly Pro Ala His Pro Val Leu Ser Phe Leu Arg Pro
51           20              25              30
52 Ser Trp Asp Leu Val Ser Ala Phe Tyr Ser Leu Pro Leu Ala Pro Leu
53           35              40              45
54 Ser Pro Thr Ser Val Pro Ile Ser Pro Val Ser Val Gly Arg Gly Pro
55           50              55              60
56 Asp Pro Asp Ala His Val Ala Val Asn Leu Ser Arg Tyr Glu Gly
57 65              70              75
59 (2) INFORMATION FOR SEQ ID NO: 2:

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61      (i) SEQUENCE CHARACTERISTICS:
62          (A) LENGTH: 419
63          (B) TYPE: amino acid
64          (C) STRANDEDNESS: single
65          (D) TOPOLOGY: unknown
66      (ii) MOLECULE TYPE: polypeptide
67      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
69 Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Leu Ala Leu Leu
70      5 10 15
71 Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp Met Lys
72      20 25 30
73 Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met Leu Arg His
74      35 40 45
75 Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu Glu Leu Thr Tyr
76      50 55 60
77 Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln Asp Ile Gln Glu Val
78 65 70 75 80
79 Gln Gly Tyr Val Leu Ile Ala His Asn Gln Val Arg Gln Val Pro Leu
80      85 90 95
81 Gln Arg Leu Arg Ile Val Arg Gly Thr Gln Leu Phe Glu Asp Asn Tyr
82      100 105 110
83 Ala Leu Ala Val Leu Asp Asn Gly Asp Pro Leu Asn Asn Thr Thr Pro
84      115 120 125
85 Val Thr Gly Ala Ser Pro Gly Gly Leu Arg Glu Leu Gln Leu Arg Ser
86      130 135 140
87 Leu Thr Glu Ile Leu Lys Gly Gly Val Leu Ile Gln Arg Asn Pro Gln
88 145 150 155 160
89 Leu Cys Tyr Gln Asp Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn
90      165 170 175
91 Asn Gln Leu Ala Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys
92      180 185 190
93 His Pro Cys Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser
94      195 200 205
95 Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys
96      210 215 220
97 Ala Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys
98 225 230 235 240
99 Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu
100      245 250 255
101 His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val
102      260 265 270
103 Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro Glu Gly Arg
104      275 280 285
105 Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro Tyr Asn Tyr Leu
106      290 295 300
107 Ser Thr Asp Val Gly Ser Cys Thr Leu Val Cys Pro Leu His Asn Gln
108 305 310 315 320
109 Glu Val Thr Ala Glu Asp Gly Thr Gln Arg Cys Glu Lys Cys Ser Lys
110      325 330 335

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111 Pro Cys Ala Arg Gly Thr His Ser Leu Leu Pro Arg Pro Ala Ala Val
112                      340                      345                      350
113 Pro Val Pro Leu Arg Met Gln Pro Gly Pro Ala His Pro Val Leu Ser
114                      355                      360                      365
115 Phe Leu Arg Pro Ser Trp Asp Leu Val Ser Ala Phe Tyr Ser Leu Pro
116                      370                      375                      380
117 Leu Ala Pro Leu Ser Pro Thr Ser Val Pro Ile Ser Pro Val Ser Val
118 385                      390                      395                      400
119 Gly Arg Gly Pro Asp Pro Asp Ala His Val Ala Val Asn Leu Ser Arg
120                      405                      410                      415
121 Tyr Glu Gly

```

123 (2) INFORMATION FOR SEQ ID NO: 3:

125 (i) SEQUENCE CHARACTERISTICS:

126 (A) LENGTH: 19

127 (B) TYPE: nucleic acid

128 (C) STRANDEDNESS: single

129 (D) TOPOLOGY: unknown

W--> 130 (ii) MOLECULE TYPE: oligonucleotide

131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

133 TGAGCACCAT GGAGCTGGC 19

135 (2) INFORMATION FOR SEQ ID NO: 4:

137 (i) SEQUENCE CHARACTERISTICS:

138 (A) LENGTH: 22

139 (B) TYPE: nucleic acid

140 (C) STRANDEDNESS: single

141 (D) TOPOLOGY: unknown

W--> 142 (ii) MOLECULE TYPE: oligonucleotide

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

145 TCCGGCAGAA ATGCCAGGCT CC 22

147 (2) INFORMATION FOR SEQ ID NO: 5:

148 (i) SEQUENCE CHARACTERISTICS:

149 (A) LENGTH: 22

150 (B) TYPE: nucleic acid

151 (C) STRANDEDNESS: single

152 (D) TOPOLOGY: unknown

W--> 153 (ii) MOLECULE TYPE: oligonucleotide

154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

156 AACACAGCGG TGTGAGAAGT GC 22

158 (2) INFORMATION FOR SEQ ID NO: 6:

160 (i) SEQUENCE CHARACTERISTICS:

161 (A) LENGTH: 21

162 (B) TYPE: nucleic acid

163 (C) STRANDEDNESS: single

164 (D) TOPOLOGY: unknown

W--> 165 (ii) MOLECULE TYPE: oligonucleotide

166 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

168 ATACCGGAC AGGTCAACAG C 21

170 (2) INFORMATION FOR SEQ ID NO: 7:

172 (i) SEQUENCE CHARACTERISTICS:

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```
174          (A) LENGTH: 20
176          (B) TYPE: nucleic acid
178          (C) STRANDEDNESS: single
180          (D) TOPOLOGY: unknown
W--> 182      (ii) MOLECULE TYPE: oligonucleotide
184          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
186 TCTGGGTACC CACTCACTGC 20
188 (2) INFORMATION FOR SEQ ID NO: 8:
190      (i) SEQUENCE CHARACTERISTICS:
192          (A) LENGTH: 22
194          (B) TYPE: nucleic acid
196          (C) STRANDEDNESS: single
198          (D) TOPOLOGY: unknown
W--> 200      (ii) MOLECULE TYPE: oligonucleotide
202          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
204 TTCACACTGG CACGTCCAGA CC 22
206 (2) INFORMATION FOR SEQ ID NO: 9:
208      (i) SEQUENCE CHARACTERISTICS:
210          (A) LENGTH: 27
212          (B) TYPE: nucleic acid
214          (C) STRANDEDNESS: single
216          (D) TOPOLOGY: unknown
W--> 218      (ii) MOLECULE TYPE: oligonucleotide
220          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
222 GCACGGATCC ATAGCAGACT GAGGAGG 27
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VERIFICATION SUMMARY DATE: 02/06/2001
PATENT APPLICATION: US/09/630,155 TIME: 17:04:20

Input Set : A:\Pto.amc
Output Set: N:\CRF3\02062001\I630155.raw

L:25 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:26 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:45 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1
L:130 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3
L:142 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4
L:153 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:165 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:182 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:200 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:218 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9